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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In the Matter of the Application of:

Frank Liu

Serial No.: 10/731,354

Filed: December 9, 2003

For: Apparatus, Methods And Articles Of Manufacture For Signal
Propagation Using Unwrapped Phase

Examiner: Unknown Group Art Unit: 2631
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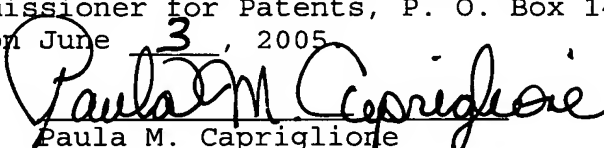
MAIL STOP: AMENDMENT

Commissioner for Patents

P. O. Box 1450

Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited
with the United States Postal Service as first class mail addressed
to Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450,
Alexandria, VA 22313-1450 on June 3, 2005.


Paula M. Capriglione

**INFORMATION DISCLOSURE
STATEMENT TRANSMITTAL LETTER**

Sir:

An Information Disclosure Statement is submitted herewith
pursuant to 37 CFR §§1.97-1.98. The enclosed statement is being
filed within three months of the filing date of a national
application, or within three months of the date of entry into the
national stage as set forth in 37 CFR §1.491 in an international
application, or before the mailing date of a first Office Action on
the merits, whichever event occurs last.

Additionally provided herewith is an International Search
Report for an International Application (PCT/US2004/040293) that
corresponds to the above noted application.

However, in the event a fee is due in connection with this communication, the Commissioner is authorized to charge Deposit Account No. 23-1950.

Respectfully submitted,

Frank Liu
Applicant(s)



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BCO/pmc

FORM PTO-1449
(Rev. 2-32)

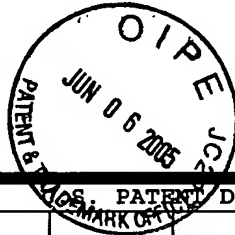
U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. / DOCKET NO. / SERIAL NO.
BCO / 18102 / 10/731,354

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT
Frank Liu

FILING DATE / GROUP
12/9/03 / 2631



U.S. PATENT DOCUMENTS							
EXAM INIT		DOCUMENT NUMBER	DATE	NAME	CLA SS	SUB- CLASS	FIL. DATE
	AA	5,757,858	5/98	Black et al.	375	295	1/97
	AB	6,411,655	6/02	Holden et al.	375	269	12/98
	AC	US 2002/0067773 A1	6/02	Jackson et al.	375	308	6/01
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRNS Y/N
	AK	EP 0 940 958 A1	9/99	Europe	H04L	27/233	
	AL						
	AM						
	AN						
	AO						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AP	
	AR	
	AS	

Examiner:	Date Considered:
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.